

Sun Microsystems, Inc.
901 San Antonio Road, MS PAL01-521
Palo Alto, CA 94303
(408) 517-6754
(408) 343-1757 (fax)



Al Penilla, Esq.
Martine, Penilla & Kim, LLP
710 Lakeway Drive, Suite 170
Sunnyvale, CA 94086

RE: New Patent Disclosure entitled: "APPLICATION LAUNCHER TESTING FRAMEWORK"
Inventor(s): Kirill O. Soshalsky; Artem A. Aliev; Dmitry A. Fazunenko;
Andrey Y. Chernyshov
Sun File No.: P6500
Business Unit: Java Products & Platforms: Software

Dear Al:

Enclosed is the invention disclosure for the above-identified invention. Sun has selected you for the preparation of the patent application based on our understanding that you will personally write or supervise the preparation of this application.

As counsel on behalf of Sun, it is your responsibility to (1) work directly with the inventor in preparing the application; (2) determine all relevant events regarding any potential U.S. or international patent bar dates; and (3) obtain the necessary signatures and file the application in a timely manner to preserve both U.S. and international patent rights. Please contact me immediately in the event of any problems.

With regard to this application, please note that the following information may change from time to time:

1. Please make initial contact with the inventor, Kirill Soshalsky at (408) 863-3324, within one week of receiving this letter to let him know you received the disclosure and that you will be working on it.

2. Please provide me with a copy of the final draft application for review, in time for me to review it and provide comments prior to filing the application. The draft may be faxed to 408/343-1757 or couriered to MS CUP03-802, 20450 Stevens Creek Blvd., Cupertino, CA, 95014. Please note that this address by-passes our internal docketing system and should only be used for review of drafts. All other papers should be sent to the address and mail stop given in paragraph 6.

3. When you have received my approval of the final draft, please send the formal papers directly to the inventors for their execution and then file the case with the formal papers. Sun will not pay for any costs associated with filing without papers unless approved by me prior to filing. The inventor's direct address is the Sun corporate address in paragraph 6 below with the appropriate inventor's mail stop which is located on the first page of the invention disclosure (do not send formal papers to be executed to mail stop PAL01-521).

EXHIBIT 1

A-1

Page Two

4. Please schedule this for filing no later than When planning your deadlines, please take into account the turn-around time necessary for review by the inventors and by me. Changes in the filing date may only be approved by me and are not to be negotiated with the inventor.

5. Notify me by fax (408/343-1757) that the case has been filed, within two business days of the filing with Sun reference number, application title and inventor names, requested filing date and actual filing date.

6. If the oath form you generally use is a combined declaration and power of attorney, please also prepare and send to Maria Moore, Patent Operations Manager, Power of Attorney by Assignee and Revocation of Previous Powers document for signature by Kenneth Olsen, Vice President, Intellectual Property, at the following address:

Sun Microsystems, Inc.
M/S PAL01-521
901 San Antonio Road
Palo Alto, CA 94303

7. Please note that Sun does not wish to have assignments notarized. Therefore, please prepare the assignment document without provision for notarization.

8. When sending us a copy of the application as filed, please also include copies of all transmittal documents (with Sun reference number, application title and inventor names, requested filing date and actual filing date). Furthermore, please docket all of the relevant due dates and forward to us copies of all correspondence in this case to the address in paragraph 6.

9. As per our current billing agreement, this application is to be billed at actual cost up to a cap of \$7,200.

10. Please invoice Sun for all legal fees, filing fees and other costs associated with this disclosure. Please send all invoices to Sandra Butler, 650/336-0240, at the address in paragraph 6.

11. When preparing the Power of Attorney form, please add the following attorneys:

Kenneth Olsen	Reg. No. 26,493	Marc D. Foodman	Reg. No. 34,110
Timothy J. Crean	Reg. No. 37,116	Naren Chaganti	Reg. No. 44,602
Alexander E. Silverman	Reg. No. 37,940	Elaine Lee	Reg. No. 41,936
Anirma R. Gupta	Reg. No. 38,275	Hugh H. Matsubayashi	Reg. No. 43,779
Sean P. Lewis	Reg. No. 42,798	Paul Sorkin	Reg. No. 39,039
Michael J. Schallup	Reg. No. 44,319	Marilyn E. Glaubensklee	Reg. No. 35,521
Bernice B. Chen	Reg. No. 42,403	Ramin Aghevli	Reg. No. 43,462
Noreen A. Krall	Reg. No. 39,734	Andrew C. Chen	Reg. No. 43,544
Richard J. Lutton	Reg. No. 39,756	Jeffrey L. Myers	Reg. No. 44,252
Monica D. Ward	Reg. No. 40,696		
of SUN MICROSYSTEMS, INC.,			
901 San Antonio Road, Palo Alto, CA 94303			

Sincerely,

Marilyn Glaubensklee/eg
Marilyn Glaubensklee
Assistant General Counsel, Patents and Copyrights

Enclosures
cc: Docket Dept.

Date: Tue,
From: Celeste Filoia <Celeste.Filoia@sun.com>
Subject: P6500 - Invention Disclosure - Aliev
To: kirill.soshalsky@eng.sun.com
Cc: debra.dooley@sun.com, marilyn.glaubensklee@eng.sun.com, eleanor.gilbert@eng.sun.com, maria.moore@corp.sun.com, kristine.bombaci@corp.sun.com, celeste.filoia@sun.com

Kirill,

Here's a copy of your disclosure with the Sun reference number assigned to it (P6500). Please use this reference number when referring to this matter in the future. Should you have questions regarding the status of this disclosure, please contact your Managing Sun Attorney (listed below). Questions regarding any patent incentive payments should be directed to Kristine Bombaci, Incentive Program Specialist, x60821. Thank you again for submitting this disclosure!

Kristine:

Approved for bonus?
\$250 each.
1) KIRILL SOSHALSKY (EIN 84122)

Note to the inventor(s): If approved, the incentive transaction will be processed two weeks from today. This means that your incentive payment may not show up until the pay period after the processing date.

SOSHALSKY, KIRILL kirill.soshalsky@Eng UCUP01-309 x53324/+1 408 863 3324
Other inventors have no internal contact information

Attorney Responsibility:
Primary Sun Attorney: Marilyn Glaubensklee
Managing Sun Attorney: Marilyn Glaubensklee

----- Begin Forwarded Message -----

X-Unix-From: Debra.Dooley@Sun.COM
Date: Thu, (PDT)
From: Debra Dooley <Debra.Dooley@sun.COM>
Subject: patent for jnlp compatibility test launcher
To: inventions@corp.sun.com
MIME-Version: 1.0

Hello,

Please let me know if you need further information.

-Debra

debra.dooley@sun.com

----- End Forwarded Message -----

This is the ASCII form [ASCII IDT, html version 1.5.3, rev. 11/09/00] of the Sun Patent Department's Invention Disclosure Tool (IDT).

WHEN THE IDT IS COMPLETE, PLEASE EMAIL IT TO:

inventions@Corp

R - 3

To check whether you've filled in all fields, search for XXXXX.

For each IDT approved by the Patent Department for preparation as a patent application, you will receive our thanks and up to \$250! You can find a complete description of Sun's patent incentive program on the SunWeb at:

<http://patents.corp/>

Please let us know if you have any questions. Thanks,

--Sean Lewis
Patent Counsel
sean.lewis@ebay
x72064

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-----CUT HERE-----
[ASCII IDT, html version 1.5.3, rev. 11/09/00]

NEW INVENTION DISCLOSURE BY (Artem A. Aliev)
(email address: ali@sparc.spb.su)

Email the completed ASCII IDT to inventions@Corp.

The ASCII IDT can be retrieved from the SunWeb at:

<http://patents.corp/IDT.ascii>

You can also complete the IDT as a Web form, which can be found at:

<http://patents.corp/>

PLEASE ANSWER ALL QUESTIONS (search for XXXXX) (OR PLACE A "N/A" IN THE SPACE).
FAILURE TO DO SO MAY CAUSE THE DISCLOSURE TO BE RETURNED AND
DELAY YOUR INCENTIVE AWARD PAYMENT.

8 YOUR DIVISION/BUSINESS ORGANIZATION

Please select the appropriate division/business organization for this invention and delete the rest. Please do this step carefully.

Your Business Organization is:

Java Products and Platforms: Other

If you had to select an "OTHER," please help us out by specifying your area:

Java Compatibility Testing

□ □

1. TITLE: Application Launcher Testing Framework

This invention relates primarily to (hardware or software): software

2. BACKGROUND AND RELATED ART

A. What is the technical problem which your invention addresses as specifically as you can. (If the technical problem is described in a document, article, book, etc., please give details in the next question.)

The problem is testing Java Network Launcher Protocol implementations
(for example Java Web Start application)

JNLP implementation is an application launcher that used to download and run a java application in the specified environment. Implementation should meet JNLP specification.

So the test framework should allow:

- to launch an application in the OS platform independent way
 - to check whether application is launched or not.
 - to test that launched application is running the environment specified in file

B. What is the Closest Related Art?

Please list the closest related art of which you're aware, including (1) published articles, books, etc.; (2) patents; (3) products (developed by Sun or another company); or (4) any other information you or your colleagues may be aware of at this time. Please give date(s) of all references, if known. Note that you do not have to do a prior art search! If you're unaware of any relevant prior art, please say so.

(3) products (developed by Sun)

The Java Compatibility Kit technologies was used as any example of test development

The JavaTest tool (part of TDK) is used as a test monitor. JavaTest is the core of the framework

3. DRAWING(S)

Drawings for this invention are available (available/unavailable).

Drawings will be provided upon request: **TRUE**
(TRUE OR FALSE)

If you have drawings or diagrams that illustrate the invention, please send them to us (e.g. Postscript documents by email). These can include circuit schematics, structures, process steps, a program flowchart, block diagrams, high-level pseudocode, etc., as applicable. If you have original drawings in your lab notebook, please send photocopies of the pertinent pages to: Docketing Coordinator at MS PAL01-521. If no drawings exist, that's OK! Just say so. The patent attorney who writes up the application will generate drawings as needed after meeting with you about the disclosure.

You should wait to submit any documents until you have received a P-number or at least CLEARLY indicate: 1) the invention title; 2) your name; and 3) the date of the disclosure submission.

4. WRITTEN DESCRIPTION

Please provide a written description of the invention (with reference to

the drawings) or send a hard copy to: Docketing Coordinator at Mail Stop PAL01-521.

In your description, please indicate: (1) the problem(s) that the related art has been unable to solve; and (2) how your invention solves them. Stress the fundamental principle(s) of the invention from an engineering viewpoint.

If you already have a written description (such as a white paper) please note that here and send it by email or interoffice shuttle. (Email is preferable to inventions@Corp). However, please also provide a short (1-2 paragraph) description of the invention here, so we know what the focus is, since a white paper may cover many areas that are not this specific invention.

You should wait to submit any documents until you have received a P-number or at least CLEARLY indicate: 1) the invention title; 2) your name; and 3) the date of the disclosure submission.

The invention is described as follows:

The standard testing technique used in the different Technology Compatibility Kits (TCKs) (includes the Java Compatibility Kit) rely on the return code of tested application.

But in the case of the launcher testing, we also need information from the test application itself, and from the http server that provides resources to the application launcher.

The test application information that is needed is that the application was started correctly and in the correct environment.

The http server feedback is used to verify the resource requests.

To solve this problem, the following framework was designed:

A test monitor(1), starts, called "status server"(2).

The status server opens a socket and waits for the reports from the test application.

Then the test monitor starts http server(3), and configures it.

The Http server provides all necessary resources for the application launcher, and reports to the test monitor what resources have been requested.

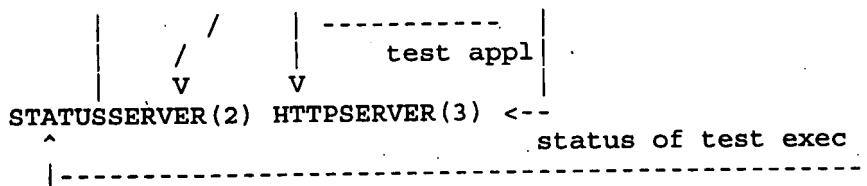
Then the test monitor starts the application launcher(4) and passes the URL of the test application. (URL refers to the started http server)
The application launcher downloads the specified test application(5) from the http server and starts the application. If the application is started, the launcher finishes with 0 exit code.

The test application tests the environment, connects to the status server and passes status of environment testing.

Status server returns to the test monitor status got from the application. Test monitor collects exit code of launcher, reports from http and status servers and provides the summarized result of application testing.

JNLP TCK testsuite structure

```
status      start jnlp client
-----> MONITOR(1) -----> LAUNCHER(4) -----> TEST APPL(5)
|           / ^status | ^ |
```



(1) **test monitor**
main tool of the TCK, used to start tests, collect results and combine them

(2) **status server (TCP server)**
Used to retrieve status from test application running by application launcher

(3) **http server**
jnlp client will retrieve all necessary resources from this http server
The http server will check requests and return status to the test monitor

5. CONCEPTION OF INVENTION

Date of conception:

Date of first written description:

6. REDUCTION TO PRACTICE

Has the invention been reduced to practice? yes (yes or no).

Comments, if any, on conception of invention and/or first written description:

The JNLP TCK is an implementation of the framework.

JNLP TCK is available at
[/java/jck-dev/users3/SPBrotator/jnlp-tck/b04/bundles/TCK-jnlp-1.0.zip](file:///java/jck-dev/users3/SPBrotator/jnlp-tck/b04/bundles/TCK-jnlp-1.0.zip)

7. INVENTOR(S)

INVENTOR 1: This person should be the primary or technical contact for the invention.

Employee Number:	67449
First Name:	Artem
Middle Initial:	A
Last Name:	Aliev
Home Address:	70/3, 90, Botanicheskaya st., Stariy Petergof, St. Peterburg, Russia, 198904
Citizenship:	Russia
E-mail Address:	ali@sparc.spb.su
Sun Phone:	N/A
Sun Mailstop:	N/A

INVENTOR 2:

Employee Number:	84122
First Name:	Kirill
Middle Initial:	O
Last Name:	Soshalsky
Home Address:	XXXXXX
Citizenship:	Russia
E-mail Address:	sko@eng.sun.com
Sun Phone:	XXXXXX
Sun Mailstop:	XXXXXX

If the person's payroll comes from a country
that is NOT the US, please list the country: XXXXX

INVENTOR 3:

Employee Number: 67450
First Name: Dmitry
Middle Initial: A
Last Name: Fazunenko
Home Address: XXXXX
Citizenship: Russia
E-mail Address: fda@sparc.spb.su
Sun Phone: N/A
Sun Mailstop: N/A

INVENTOR 4:

Employee Number: 116317
First Name: Andrey
Middle Initial: Y
Last Name: Chernyshov
Home Address: XXXXX
Citizenship: Russia
E-mail Address: ayc@sparc.spb.su
Sun Phone: N/A
Sun Mailstop: N/A

(Copy above fields for any other inventors.)

COMMENTS on inventors or inventorship:

This invention was made by JCK development team in Russia. This is the reason
why most of the inventors have non-internal contact info.

9. DEPARTMENT, etc.

Department Name: Java Compatibility Testing
Department Manager: Carla Shroer
Project Name: Java Network Launcher Protocol Tecnology Compatibility
Kit
Product Names(s): JNLP TCK

10. DATES OF PRODUCT TESTING AND RELEASE

Alpha Testing:
Beta Testing:
General release or sale:

COMMENTS on product testing and release:

The JNLP TCK 1.0 was releases at

11. DISCLOSURE OF INVENTION

Have there been any disclosures of the invention to date (whether
internal or outside of Sun), or any contemplated articles, advertisements,
outside disclosures or presentations at tradeshows or conferences?

NO (YES/NO)

12. INTERNAL DISCLOSURE(S)

First disclosure date (internal at Sun): _____
Name of first disclosee at Sun: Artem Aliev

Please state the circumstances of this disclosure:

The framework was presented to use in JNLP TCK

13. ARTICLE(S)

Have any articles been published? NO

If "yes", please list: (1) the name(s) of the publication(s),
(2) the date(s) of publication, and (3) the date(s) of submission
of the article(s) to those publications for review:

N/A

14. ADVERTISEMENTS, PRESS RELEASES AND PRODUCT ANNOUNCEMENTS

Do you know if any (a) advertisements, (b) press releases, or (c)
product announcements have been issued containing information about this
product, or whether any other attempt has been made to market the product?

DETAILS about any ads, press releases and product announcements:

N/A

15. OUTSIDE DISCLOSURE(S)

Have you or any others discussed the invention with any non-Sun
employees or given any written or oral abstracts or other
presentations of information relating to the invention, whether or not
under nondisclosure agreement? (...for example, to current or
potential co-developers, customers or vendors.)

YES (YES/NO) .

Were all outside disclosures under NDA? YES (yes/no)

DETAILS about any disclosures outside Sun:

This invention was developed outside Sun (by non-Sun employees). All terms of
NDA were observed.

16. TRADE SHOWS AND CONFERENCES

Are there any upcoming trade shows or conferences? XXXXX

DETAILS about upcoming trade shows and/or conferences:

N/A

17. OUTSIDE COUNSEL

Do you have any preference to outside counsel? We do not guarantee that the
attorney noted will be
assigned to this matter.

NO

18. RELATED CASES

Is this disclosure related to any patent applications in progress or disclosures previously submitted?

NO

ADDITIONAL COMMENTS BY INVENTOR:

XXXXX

This invention disclosure was submitted by (XXXXX), whose email address is: XXXXX

[ASCII IDT, html version 1.5.3, rev.]

[1] "jnlp-patent" DATA, 13802 bytes

PATENT**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

In re the application of)
Soshalsky et al.) Examiner: Yigdall, Michael J
Application No: 10/039,197) Art Unit: 2192
Filed: January 4, 2002) Atty. Docket No: SUNMP019
For: **APPLICATION LAUNCHER**
TESTING FRAMEWORK)

DECLARATION UNDER 37 CFR § 1.131

Assistant Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

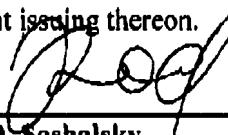
We, Kirill O. Soshalsky and Dmitry A. Fazunenko, declare as follows:

1. At all times relevant herein we were employed by Sun Microsystems, Inc (hereinafter, "Sun") and are over the age of 18 years and submit this declaration in support of a response to an outstanding office action in the above-identified patent application that we are informed and believe will be filed herewith.
2. We are co-inventors of the invention defined by the claims recited in the patent application identified in paragraph 1 that we conceived before October 18, 2001, in a country that is a member of the World Trade Organization, by conceiving of the idea of providing a framework for application launcher testing to obtain information from the test application, from the http server that provide resources to the application launcher as claimed in the instant application as set forth in a copy of an invention disclosure attached hereto as EXHIBIT 1.
3. As indicated in EXHIBIT 1, alpha testing, beta testing and completion of the testing of the claimed invention was performed prior to October 18, 2001.
4. On or about May 23, 2001, EXHIBIT 1 was transmitted to Martine Penilla & Kim, LLP to prepare the patent application for the above referenced matter.

5. On or about January 4, 2002, the reference application was filed at the United States Patent and Trademark Office.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 101 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date 7/20/07



Kirill O. Soshalsky

Date _____

Dmitry A. Fazonenko

PATENT**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

In re the application of)
Soshalsky et al.) Examiner: Yigdall, Michael J
Application No: 10/039,197) Art Unit: 2192
Filed: January 4, 2002) Atty. Docket No: SUNMP019
For: APPLICATION LAUNCHER)
TESTING FRAMEWORK)

DECLARATION UNDER 37 CFR § 1.131

Assistant Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

We, Kirill O. Soshalsky and Dmitry A. Fazunenko, declare as follows:

1. At all times relevant herein we were employed by Sun Microsystems, Inc (hereinafter, "Sun") and are over the age of 18 years and submit this declaration in support of a response to an outstanding office action in the above-identified patent application that we are informed and believe will be filed herewith.
2. We are co-inventors of the invention defined by the claims recited in the patent application identified in paragraph 1 that we conceived before October 18, 2001, in a country that is a member of the World Trade Organization, by conceiving of the idea of providing a framework for application launcher testing to obtain information from the test application, from the http server that provide resources to the application launcher as claimed in the instant application as set forth in a copy of an invention disclosure attached hereto as EXHIBIT 1.
3. As indicated in EXHIBIT 1, alpha testing, beta testing and completion of the testing of the claimed invention was performed prior to October 18, 2001.
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5. On or about January 4, 2002, the reference application was filed at the United States Patent and Trademark Office.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date _____

Kirill O. Soshalsky

Date 07/22/2007


Dmitry A. Fazunenko